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**MIAMI-DADE COUNTY, FLORIDA
NOTICE TO PROFESSIONAL CONSULTANTS (NTPC)
WATER AND SEWER DEPARTMENT
ENGINEERING DESIGN AND RELATED SERVICES IMPROVEMENT, UPGRADES
AND EXPANSION OF REGIONAL WASTEWATER PUMP STATIONS AND
RELATED FACILITIES NECESSARY FOR CAPITAL IMPROVEMENT PROJECTS
ISD PROJECT NO. E15-WASD-04**

The County Mayor, Miami-Dade County, pursuant to Chapter 287.055, Florida Statutes, Sections 2-8.1 and 2-10.4 of the Miami-Dade County Code, Implementing Order 3-34, and Administrative Order 3-39, announces that professional engineering services will be required for the Water and Sewer Department (WASD).

This project will consist of providing engineering design and related services for the improvement, upgrades and expansion of regional wastewater pump stations and related facilities necessary for WASD's other capital improvement needs identified in the Multi-Year Capital Improvement Plan..

WASD is the primary provider of water and wastewater services to Miami-Dade County serving a population of over 2.3 million, making it among the largest water/wastewater utilities in the United States. WASD has developed a Multi-Year Capital Improvement Program (CIP) to upgrade its facilities and infrastructure system throughout the County in order to renew and replace its existing deteriorated system and/or relocate as required to bring all regional pump stations into compliance and to accommodate future growth and development. WASD recognizes the need for design services of the evaluation, design and implementation of critical projects which are an integral part of the CIP.

WASD will require engineering design services, including planning and permitting assistance during the construction, for system upgrades to local sewage pump stations. The projects may include the rehabilitation or replacement of existing pump stations or for the construction of new sewage pump stations in the range of 25 million gallons per day (MGD).

The scope of services consists of complete design services, which will includes but is not limited to, performing preliminary site investigation and inspection, surveying services, hydraulic analysis, coordination with other municipalities and the public, processing mechanical upgrades, heating, ventilation and air conditioning, electrical upgrades, including motor control center, switchgear and diesel generators, supervisory control and data acquisition, instrumentation upgrade, health and safety upgrades; preparation of design reports; preparation of drawings and contract specifications and preparation of design-build criteria packages; assistance during the permitting and procurement phases, and engineering support during construction. Engineering support during construction is anticipated to include, but is not limited to, periodic site inspections, attendance at meetings, reviewing shop drawings, responding to requests for information, reviewing claims and potential change orders, reviewing contract schedules and schedule of values, and reviewing as-built drawings. Project coordination services are anticipated to include, but are not limited to, establishing a plan to implement projects, establishing and tracking project schedules, preparing budgets and deadlines, preparing status reports and attending meetings as requested.

Two (2) consultants/teams of firms will be retained under two (2) non-exclusive Professional Services Agreements (PSA) for an effective term of seven (7) years. The estimated cost of each PSA is \$6,600,000.00, inclusive of contingencies.

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The firms providing these services must be certified in the following technical categories and the respective percentages of the disciplines as indicated below:

A/E TECHNICAL CERTIFICATION REQUIREMENTS

- 6.02 Water and Sanitary Sewer Systems – Major Water and Sanitary Sewage Pumping Facilities (PRIME)**
- 17.00 Engineering Construction Management (PRIME)**
- 11.00 General Structural Engineering
- 12.00 General Mechanical Engineering
- 13.00 General Electrical Engineering
- 15.01 Surveying and Mapping – Land Surveying
- 16.00 Surveying and Mapping – Land Surveying

Experience and Qualifications

1. A Prime Consultant submitting should be a full service engineering firm experienced in the design, permitting and construction management of large (25 MGD) regional sewage pump stations. The successful experience on the above items should be demonstrated prior to the date of this solicitation. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s) and the team leaders for key design specialties.
2. The Prime Consultant shall provide descriptions of at least one (1) successfully designed, constructed and operating new or upgraded sewage pump stations with a minimum pumping capacity of 25 MDG or greater, and pump drives which include variable frequency prior to the date of the solicitation.
3. For projects which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Prime Consultant and the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized).
4. The Subconsultants shall provide a description of at least one (1) program or project(s) that is relevant to this Scope of Work prior to the date of this solicitation and specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, and the project's achievements.

Small Business Contract Measure Recommendation

Goals determined for this solicitation – **20% SBE/AE and 4% SBE/G&S**